Net-Centric Operations & Warfare

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How Will We Enable Force Transformation?

"… by implementing an "Internet-like"and assured Global Information Grid (GIG)"

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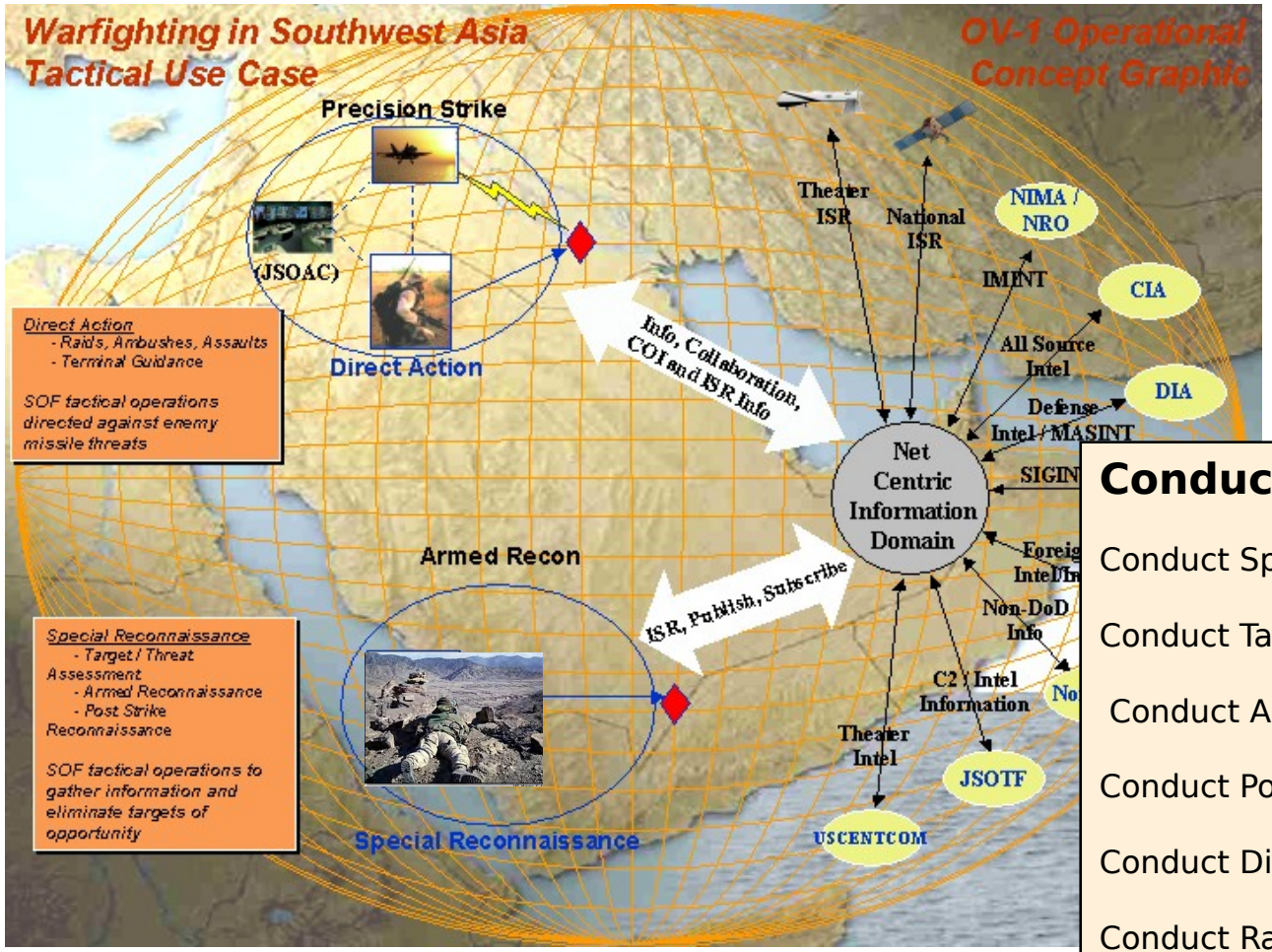
How Will We Enable Force Transformation?

"… by implementing an "Internet-like"and assured Global Information Grid (GIG)"

- **Processes and Applications for Operators to Utilize All Available Information**
- **Reliable Access to More Trusted Information Sources**
- **Evolution of Mission Roles**
- **Tactical/Strategic Responsibilities Shift In A Net-Centric Environment**

Net-Centric Operations and Warfare

Joint Special Operations



Conduct Special Operations

Conduct Special Reconnaissance Mission

Conduct Target and Threat Assessment

Conduct Armed Reconnaissance

Conduct Post Strike Reconnaissance

Conduct Direct Action Mission

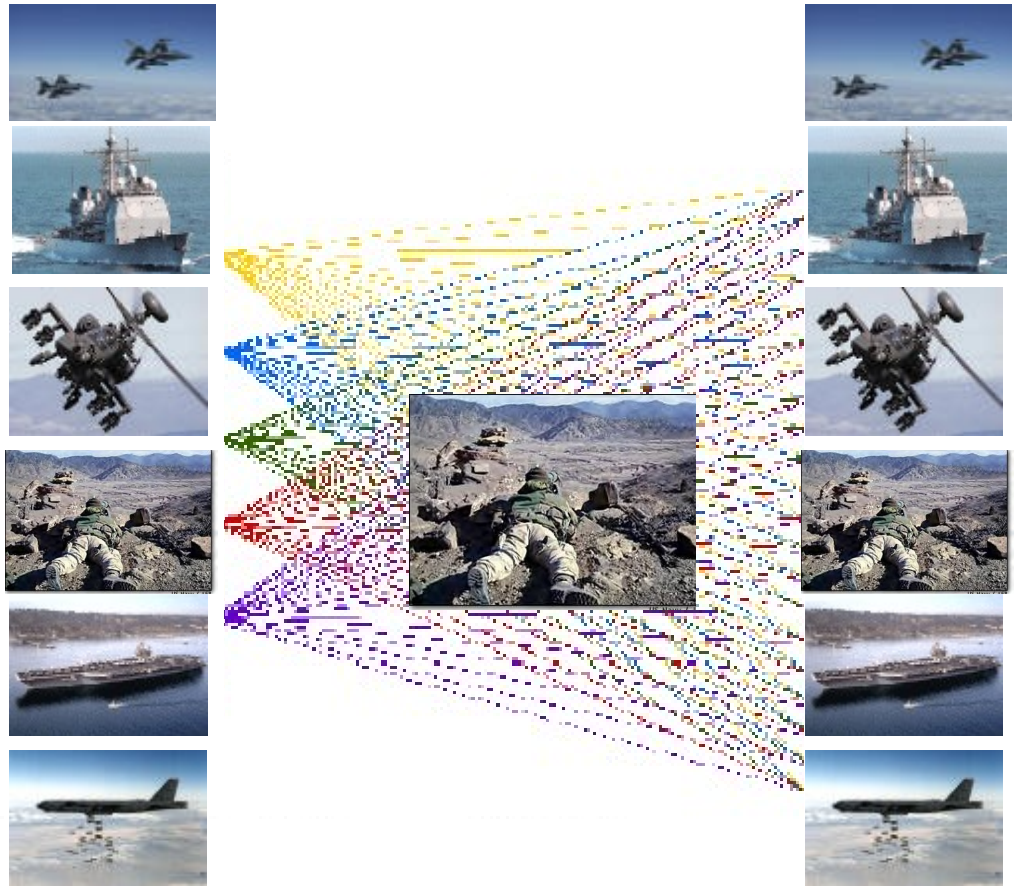
Conduct Raids, Ambushes, or Direct Assaults

Conduct Terminal Guidance Operations

Special Operations Pose An Interesting Question

...

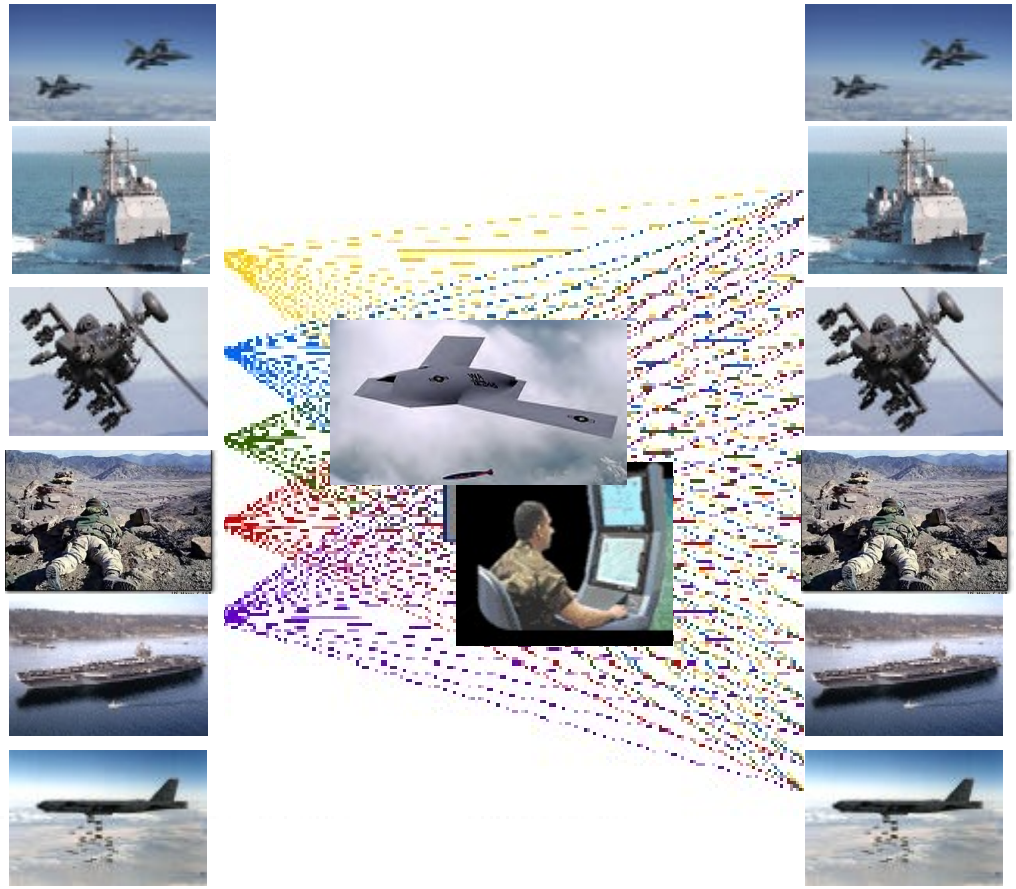
Sensor or Shooter?



Shooter or Sensor?

… And Then There Is The UCAV

Sensor or Shooter?



Shooter or Sensor?

Proactive Intelligence, Surveillance & Reconnaiss

The "Task, Post, Process and Use" Operating Concept

Pre Sept 11th

Task
Process
Exploit
Disseminate

Post Sept 11th

Task
Post
Process
Use

"Better to be safe than sorry" "Who dares, wins"

"…leverage information technology and innovative network-centric concepts of operations to develop increasingly capable joint forces. Our ability to leverage the power of information and networks will be key to our success… ."

Deputy Secretary of Defense P. Wolfowitz

A New Generation Of Applications and Content

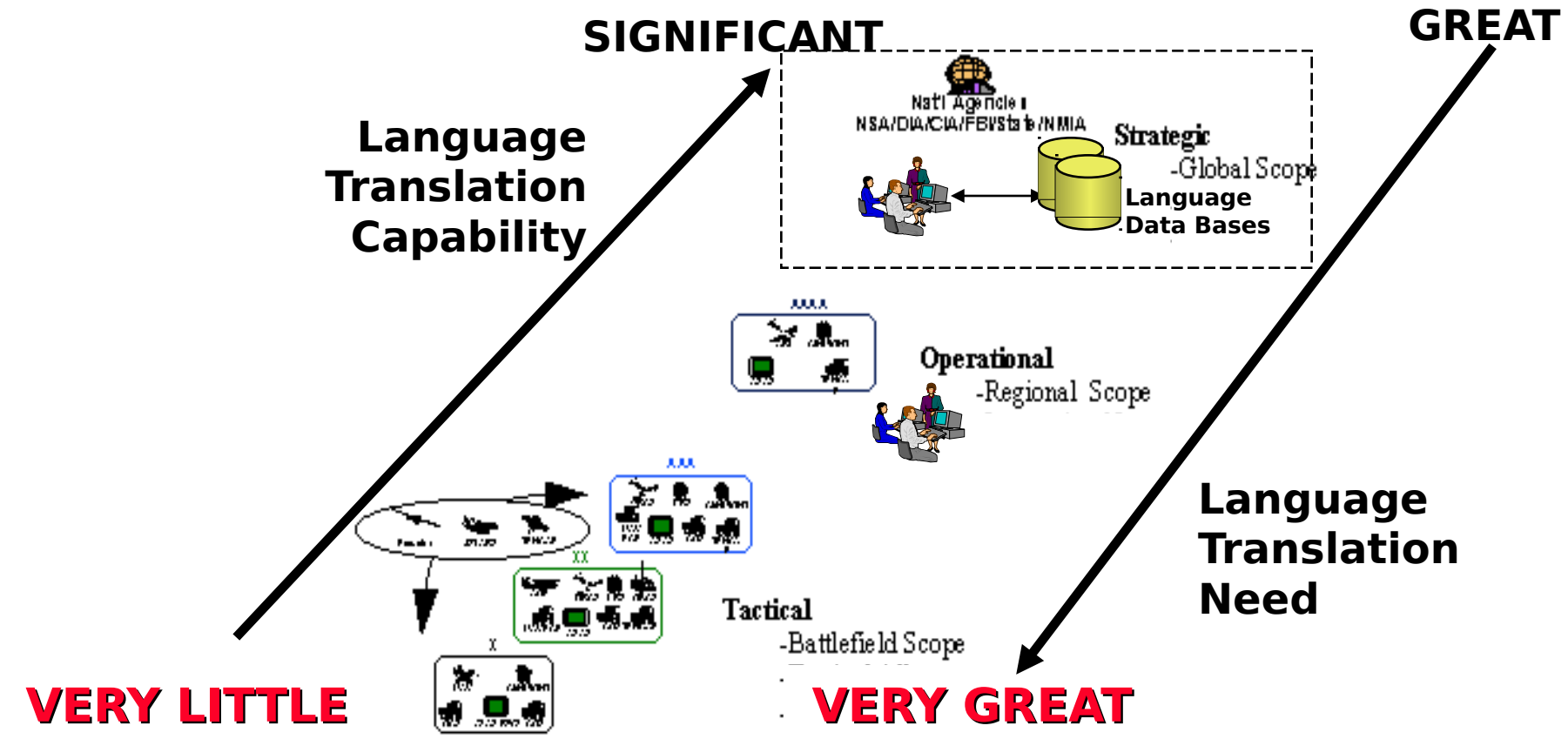
Exploding Sources of Content

- Ongoing investments in UAVs for Surveillance & Reconnaissar
- New generation of space based collectors
- Digitized Forces
- Open Sources

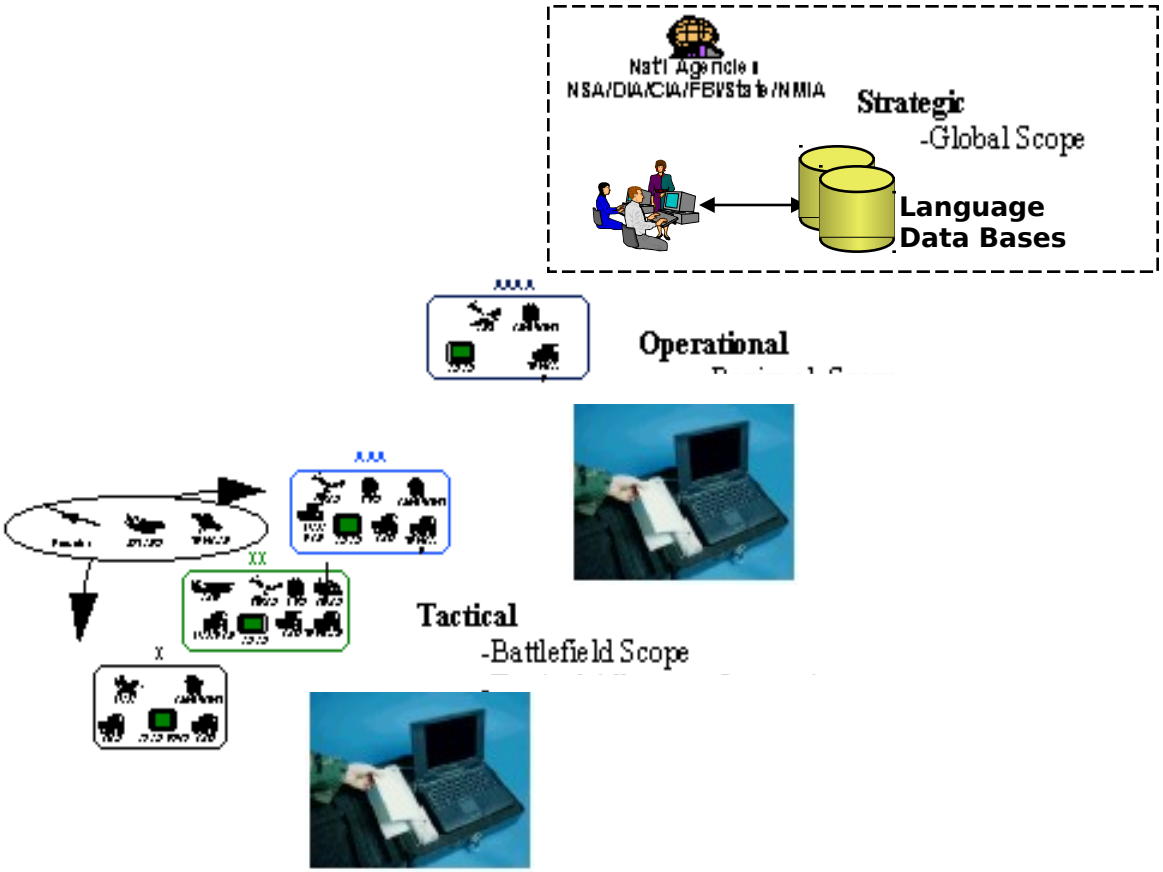
A New Generation of Applications

- Widely accessible via IP Networks
- “Horizontal” sense making
- Cross domain information sharing
- Performance support in an ambiguous environment
- Advanced visualization

Language Translation Capability Today



ic Language Translation Service
BLTS

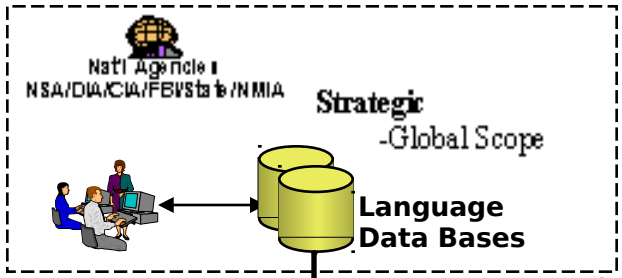


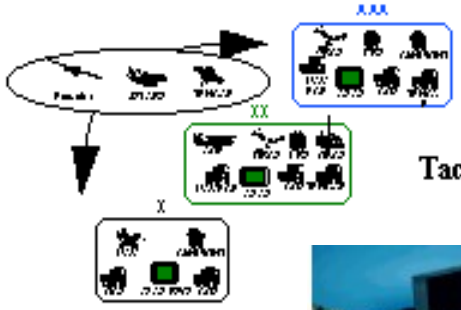
Automated Battlefield Language Translation

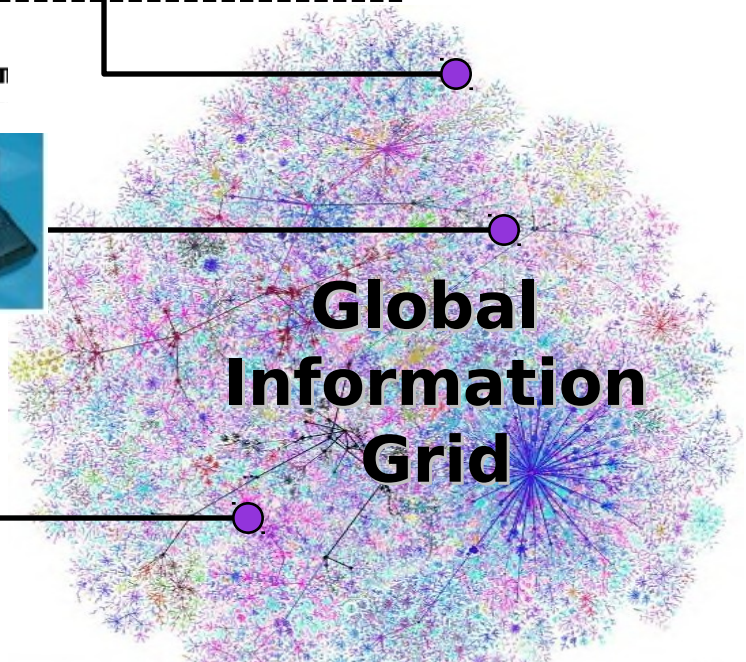
ic Language Translation Service

NetBLTS

Quantum Leap 1 Deployable



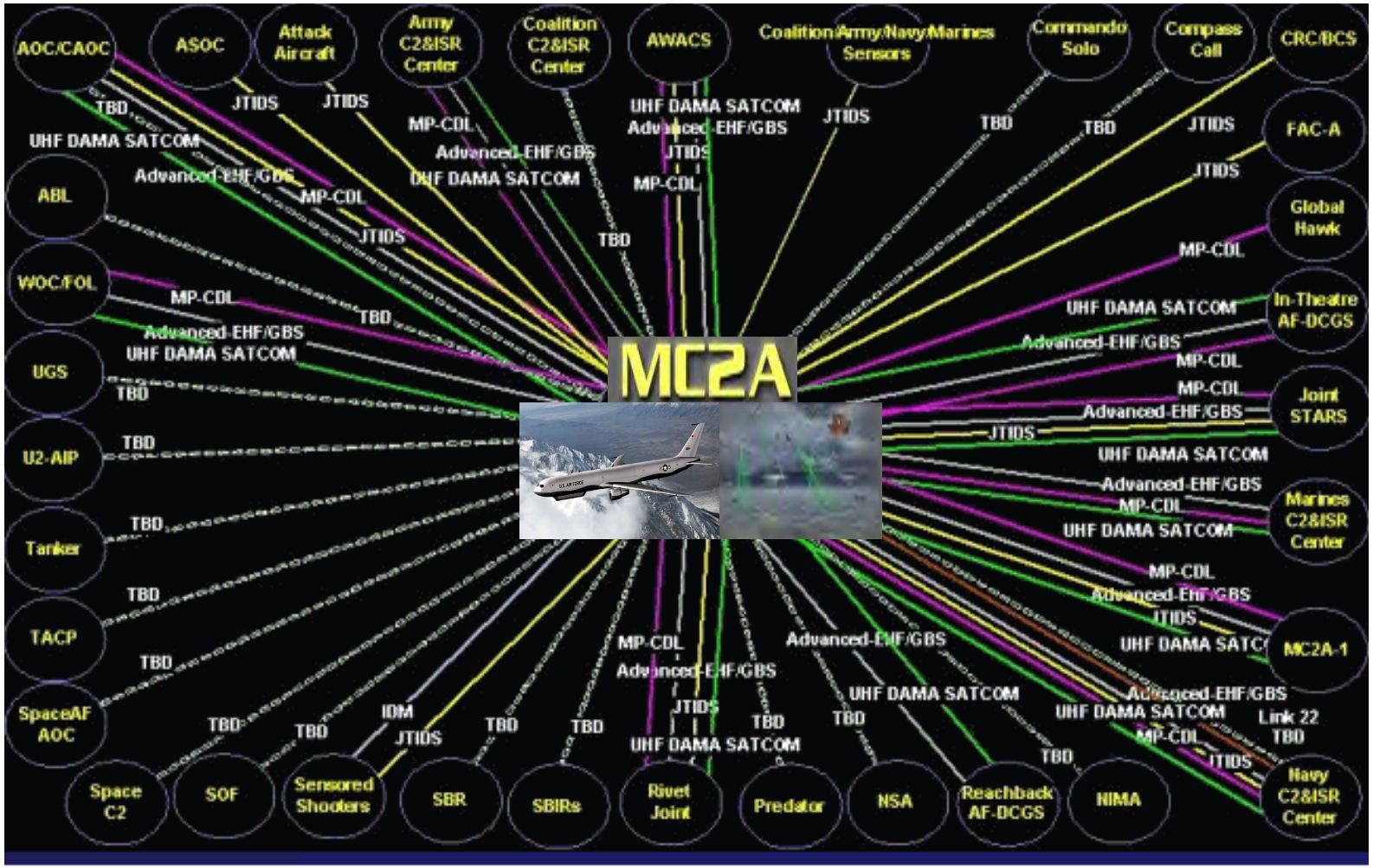




Automated Battlefield Language Translation

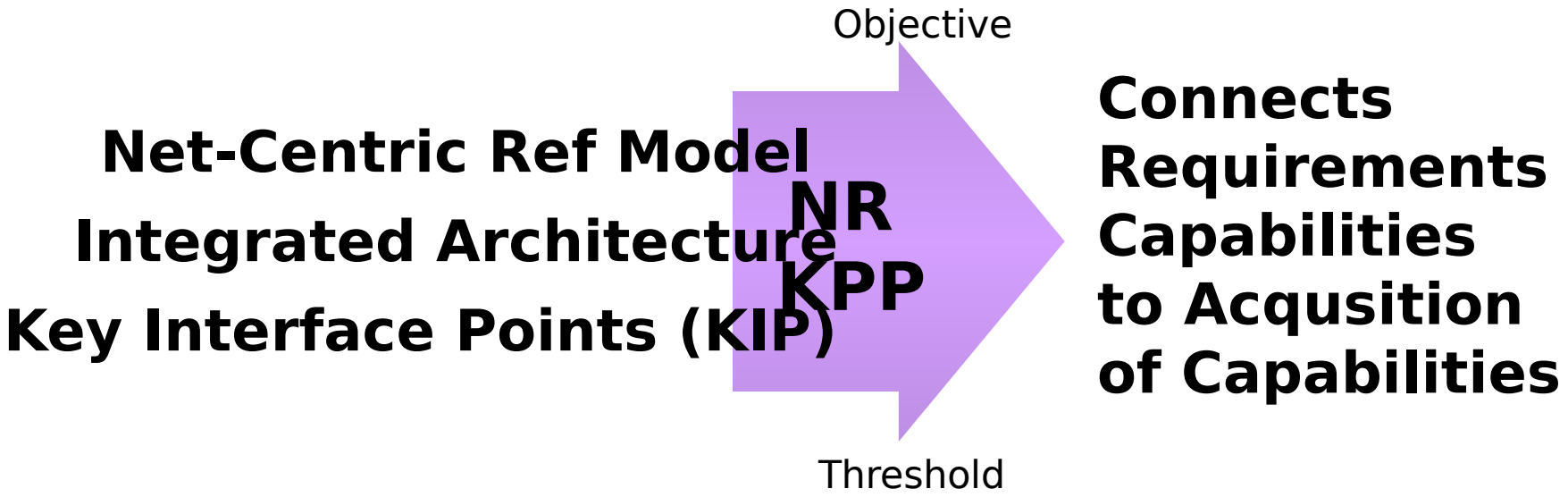
- **Immediate Keyword Gist**
- **Automated Translation**
- **Automated Tagging and Posting**

… And What About Interoperability?



Net Ready Key Performance Parameter

- **Focus on net-centric *capabilities***
- **Addresses data interoperability and Info Assura**
- **Will supercede the current Interoperability KPP**
- **Cooperative effort of DoD CIO, Joint Staff and DO**



The Future Is Now

- **Net-centric warfare will transform military operat**
- **Flexible employment of forces is improved by dep net-centric capabilities**
- **Improved Intelligence support of Joint Operations is enabled by Net-Centric Operations and Warfar**
- **The opportunities out weigh the challenges**